

Data sheet

08.02.2012

MADE WITH VERSION: 6.5

Manufacturer

VEM motors GmbH
Carl-Friedrich-Gauß-Straße 1

D-38855 Wernigerode

Customer

IThree-phase motors with squirrel cage rotor, energy saving motors "High Efficiency" IE2
efficiency calculation acc. to DIN EN 60034-2-1

Type		**IE2-WE1R 250 M4 TPM HW**		
Design output		55		
Design torque	(Nm)	354		
Class IE	(-)	IE2-94%		
Duty type		S1		
Number of poles	(-)	4		
Design frequency	(Hz)	50		
Design speed	[rpm]	1482		
Voltage	(V)	380		
Connection	(-)	D		
Current	(A)	104.7		
Relative pull-in current	(-)	7,7		
Relative starting torque	(-)	1,8		
Relative pull-out torque	(-)	2,3		
Loading state	(%)	100	75	50
Efficiency	(%)	94	94,1	92,5
Power factor	(-)	0,85		
Th. cl.		155(F)		
Coolant temperature	(°C)	40°C		
Altitude above sea level	(m)	1000m		
Degree of protection		IP55		
Moment of inertia	(kgm^2)	0,95		
Motor weight	(kg)	535		
Bearing, D-side		6316 C3		
Bearing, N-side		6314 C3		
Relubrication interval	(h)			
Grease type		ASONIC GHY72		
Grease amount	(g)			
Special details to bearings 1		none		
Special details to bearings 2		Fixed bearing, N-side		
Bearing monitoring		none		
Winding protection		1 set thermistors (triple connected)		
Winding protection 2		none		
Anti-condensation heating		none		
Special versions 1		none		
Special versions 2		none		
Special versions 3		none		
Special versions 4		none		
Limit values to vibration velocity		Class A		
Balancing with half key				
Colour system		Moderate		
Colour shade		RAL 7031 blue-grey		
Layer thickness		70 µm		

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Sitz: Wernigerode
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Stendal HRB 112964
Ust.-Id. Nr. DE 212 649 455

Commerzbank AG
Dresden
BLZ 850 400 00
Kto.-Nr. 800 15 88

Dresdner Bank AG
Wernigerode
BLZ 800 800 00
Kto.-Nr. 350 50 30 00

Deutsche Bank AG
Wernigerode
BLZ 810 700 00
Kto.-Nr. 250 04 03



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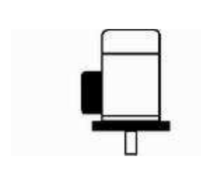
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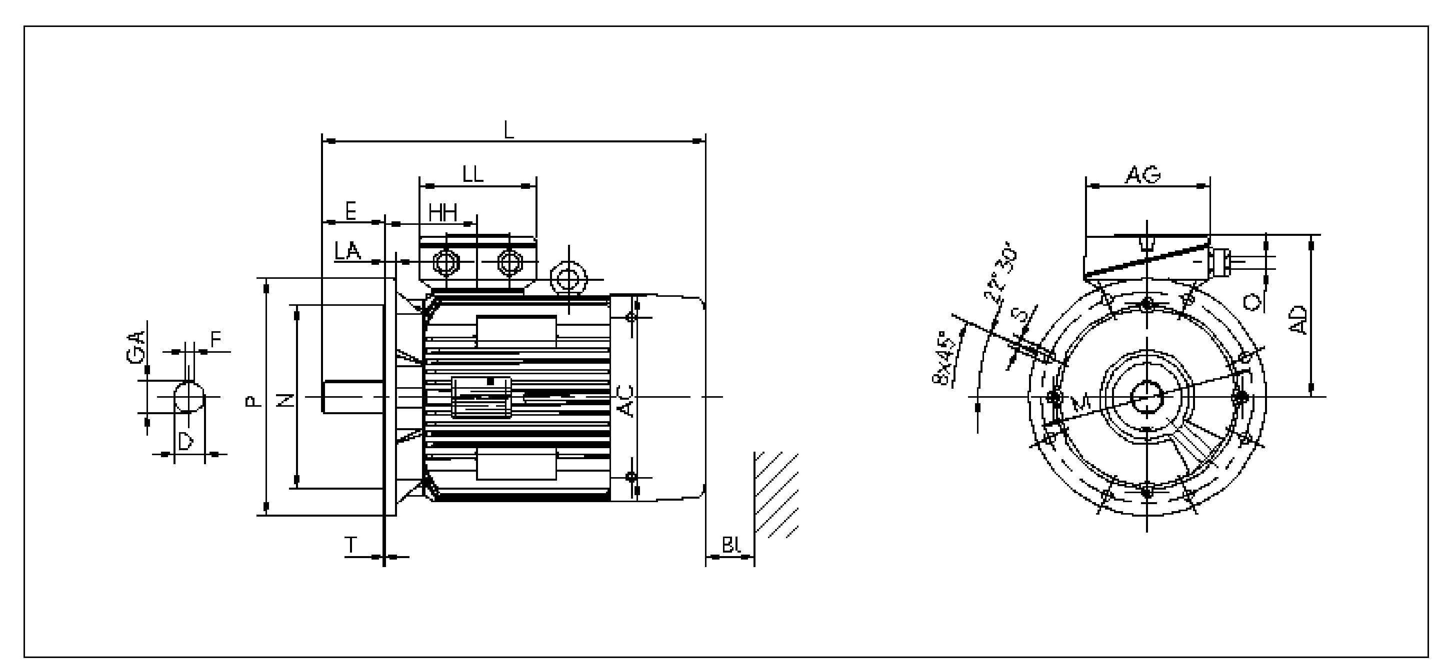
IE2-WE1R 250 M4 TPM HW

Mounting position



Type of mounting: IM V1
Flange: FF 500[A 550]
Position of terminal box: on the top

Terminal box: KK 200 A



Motor

A	AA	AB	AC	AD	B	B'	BA	BA'	BB	C	CA	K	K'
-	-	-	490	386	-	-	-	-	-	-	-	-	-

Terminal box

L	LC	H	HA	HD	HH	Bl	AG	LL	BE	AH
924	-	250	-	-	206	50	282	242	-	-

Flange

P	N	LA	M	T	S
550	450	18	500	5	18

Tolerances

H	N	D	DA
-0,5	h6	m6	m6

Shaft-DS / **Shaft-NS**

D	E	GA	F	DB		DA	EA	GC	FA
65	140	69	18	DIN 332-DS M20	-	-	-	-	

DB...Centre hole